

12398000 SULLIVAN CREEK AT METALINE FALLS, WA

LOCATION--Lat 48°51'37", long 117°21'47", in SW $\frac{1}{4}$ SW $\frac{1}{4}$, sec.22, T.39 N., R.43 E., Pend Oreille County, Hydrologic Unit 17010216, on left pier of State highway bridge, 0.5 mi upstream from mouth, 0.5 mi east of Metaline Falls, and at mile 0.5.

DRAINAGE AREA.--142 mi².

PERIOD OF RECORD.--October 1953 to November 1968, April 1994 to September 2003, July to September 2004.

GAGE.--Water-stage recorder. Elevation of gage is 2,050 ft above NGVD of 1929, from topographic map. Aug. 24, 1956, to November 1968, water-stage recorder 100 ft downstream, at different datum. Prior to Aug. 24, 1956, staff gage at site 20 ft upstream at different datum.

REMARKS.--No estimated daily discharges. Records fair except for those above 1,000 ft³/s, which are poor. Some regulation by storage in Sullivan Lake.
Small diversions upstream from station for municipal water supply.

AVERAGE DISCHARGE.--24 years (water years 1954-68, 1995-2003), 239 ft³/s, 172,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,350 ft³/s, June 1, 1997, gage height, 4.38 ft; minimum discharge, 7.3 ft³/s, Jan. 1, 1958, result of freezeup; minimum daily discharge, 27 ft³/s, Jan. 1, 1958.

EXTREMES FOR CURRENT YEAR.--Maximum discharge for the period July to September, 132 ft³/s, July 3, gage height, 0.41 ft; minimum discharge, 71 ft³/s, Aug. 9.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	126	87	87
2	---	---	---	---	---	---	---	---	---	124	87	87
3	---	---	---	---	---	---	---	---	---	124	87	87
4	---	---	---	---	---	---	---	---	---	126	87	87
5	---	---	---	---	---	---	---	---	---	123	87	87
6	---	---	---	---	---	---	---	---	---	120	87	87
7	---	---	---	---	---	---	---	---	---	123	87	87
8	---	---	---	---	---	---	---	---	---	124	76	87
9	---	---	---	---	---	---	---	---	---	118	75	87
10	---	---	---	---	---	---	---	---	---	115	86	87
11	---	---	---	---	---	---	---	---	---	111	87	87
12	---	---	---	---	---	---	---	---	---	109	87	87
13	---	---	---	---	---	---	---	---	---	106	87	86
14	---	---	---	---	---	---	---	---	---	104	87	86
15	---	---	---	---	---	---	---	---	---	101	87	87
16	---	---	---	---	---	---	---	---	---	98	87	87
17	---	---	---	---	---	---	---	---	---	96	87	87
18	---	---	---	---	---	---	---	---	---	94	87	89
19	---	---	---	---	---	---	---	---	---	96	87	87
20	---	---	---	---	---	---	---	---	---	101	87	84
21	---	---	---	---	---	---	---	---	---	96	87	82
22	---	---	---	---	---	---	---	---	---	90	87	82
23	---	---	---	---	---	---	---	---	---	87	87	81
24	---	---	---	---	---	---	---	---	---	83	87	82
25	---	---	---	---	---	---	---	---	---	82	95	85
26	---	---	---	---	---	---	---	---	---	80	111	86
27	---	---	---	---	---	---	---	---	---	78	90	87
28	---	---	---	---	---	---	---	---	---	77	81	87
29	---	---	---	---	---	---	---	---	---	84	77	87
30	---	---	---	---	---	---	---	---	---	87	77	86
31	---	---	---	---	---	---	---	---	---	86	87	---
TOTAL	---	---	---	---	---	---	---	---	---	3,169	2,682	2,582
MEAN	---	---	---	---	---	---	---	---	---	102	86.5	86.1
MAX	---	---	---	---	---	---	---	---	---	126	111	89
MIN	---	---	---	---	---	---	---	---	---	77	75	81
AC-FT	---	---	---	---	---	---	---	---	---	6,290	5,320	5,120
CFSM	---	---	---	---	---	---	---	---	---	0.72	0.61	0.61
IN.	---	---	---	---	---	---	---	---	---	0.83	0.70	0.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

SUMMARY STATISTICS

WATER YEARS 1954 - 2004

ANNUAL MEAN	239
HIGHEST ANNUAL MEAN	386
LOWEST ANNUAL MEAN	121
HIGHEST DAILY MEAN	4,020
LOWEST DAILY MEAN	27
ANNUAL SEVEN-DAY MINIMUM	30
ANNUAL RUNOFF (AC-FT)	172,800
ANNUAL RUNOFF (CFSM)	1.68
ANNUAL RUNOFF (INCHES)	22.82
10 PERCENT EXCEEDS	549
50 PERCENT EXCEEDS	114
90 PERCENT EXCEEDS	56